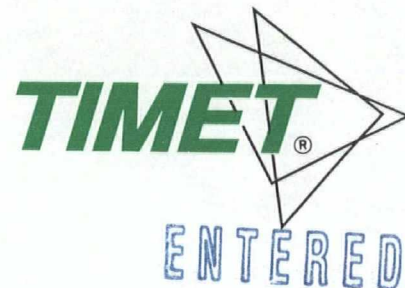


US EPA RECORDS CENTER REGION 5



482296



Titanium Metals Corporation

March 8, 1995

DELIVERED VIA FEDERAL EXPRESS

Ms. Christine Easterling
PRC Environmental Management, Inc.
350 North St. Paul Street
Suite 2600
Dallas, TX 75201

P.O. Box 2128
Henderson, NV 89009

(702) 564-2544
FAX 564-1704

Re: Titanium Metals Corporation
EPA ID No. OHD 098 435 134

Dear Ms. Easterling:

Please find enclosed copies of additional information requested by Ms. Jennifer Force during her site visit to the Toronto, Ohio facility on March 3, 1995. The information includes monitoring data from two of the plant's NPDES outfalls, NPDES and Indirect Discharge Permit monitoring requirements, and TCLP analysis on the wastewater treatment plant sludge.

If you require additional information, please call me at (702) 564-2544, Ext. 422.

Sincerely,

Susan P. Stewart
Manager, Environmental Affairs

Enclosures

First in Titanium Worldwide

Research Center: Henderson, Nevada
Plants: Henderson, Nevada • Toronto, Ohio • Morristown, Tennessee

Sales Offices and Service Centers Worldwide

RECEIVED
TIMET

OCT 14 1992



Aqua Tech Environmental Laboratories Inc.

ENGINEERING DEPT.
TORONTO, OHIO

To: TIMET INC
100 TITANIUM WAY
TORONTO OH 43964

Attn: ED OFFORD

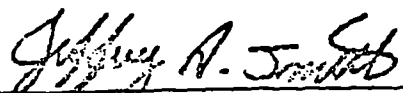
Client # : I0040
Your Sample ID: WWTP SLUDGE
Sample Matrix : LIQUID
PO #:

Lab # : 10-92-117030
Login Date : 09/14/92
Date Reported: 10/12/92
Date Printed : 10/12/92

COLLECTION INFORMATION

Date/Time/By: 09/10/92
Location :

Report Approved By:


Jeffrey A. Smith

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis
10-92-117030					
SILVER, Ag, TCLP	< 0.10	MG/L	KRG	6010	09/20/92
ARSENIC, As, TCLP	< 0.5	MG/L	KRG	6010	09/20/92
BARIUM, Ba, TCLP	< 1.0	MG/L	KRG	6010	09/20/92
CADMIUM, Cd, TCLP	< 0.05	MG/L	KRG	6010	09/20/92
CHROMIUM, Cr, TCLP	< 0.05	MG/L	KRG	6010	09/20/92
MERCURY, Hg, TCLP	< 0.002	MG/L	RCM	7470	09/18/92
LEAD, Pb, TCLP	< 0.10	MG/L	KRG	6010	09/20/92
SELENIUM, Se, TCLP	< 0.10	MG/L	KRG	6010	09/20/92
TCLP METALS EXTRACTION	--		BSR	1311	09/16/92
ORGANICS ANALYSIS	ATTACHED		CMG		10/09/92



State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.
Columbus, Ohio 43266-0149
(614) 644-3020
FAX (614) 644-2329

George V. Voinovich
Governor

Donald R. Schregardus
Director

October 17, 1991

Re: OEPA Permit No. OIE00010*ED
Facility Name: Titanium Metals Corporation

Titanium Metals Corporation
100 Titanium Way
P.O. Box 309
Toronto, Ohio 43964

Transmitted herewith is one copy of the final Modification to the above-referenced permit. Ohio EPA has changed the effective date from October 1, 1991 to October 17, 1991.

Please refer to the attached revised modification.

If you have any questions, please contact the Ohio EPA District Office in your area.

Robert E. Phelps, P.E. Manager
Permit Administration Section
Division of Water Pollution Control

REP/mbn

Certified Mail

OHIO ENVIRONMENTAL PROTECTION AGENCY
MODIFICATION OF NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM (NPDES) PERMIT

ISSUE DATE: July 25, 1991 EXISTING PERMIT NO: OIE00010*00

EFFECTIVE DATE: October 17, 1991 APPLICATION NO: OH0010910

ENTITY NAME: Titanium Metals Corporation, Timet Division

FACILITY LOCATION: Toronto Plant, 100 Titanium Way, Toronto, Ohio, Jefferson County

In accordance with Rule 3745-33-06 of the Ohio Administrative Code (formerly Ohio EPA Regulation EP-31-06), the above referenced NPDES permit is hereby modified as follows:


<u>Page</u>	<u>Revision</u>
-------------	-----------------

- | | |
|-----|--|
| M2 | Station OIE00010601 deleted from permit. |
| M3 | Revised narrative regarding outfall contents and added technology limitation and water quality limitations due to a reclassification of wastestreams tributary to outfall OIE00010001. |
| M4 | Revised for outfall OIE00010003 the discharge limitations for all parameters except Water Temperature, Total Aluminum and Flow Rate; the monitoring frequencies for Total Nonfilterable Residue, Oil and Grease, Total Fluoride, Total Titanium; and the minimum limitation for pH. Deleted the effluent limitations and monitoring requirements for Total Residual Chlorine, and the statement for flow based effluent limits calculations for outfall OIE00010003. |
| 4a | Added a new internal outfall (OIE00010602) with a table of final effluent limitations and monitoring requirements. |
| M5 | Revised for outfall OIE00010006 the discharge limitations for all parameters except Water Temperature, Total Aluminum and Flow Rate; the monitoring frequencies for Total Fluoride, Total Copper, Total Lead, Total Zinc, Total Titanium and Total Mercury; and the minimum limitation and sampling frequency for pH. Deleted the effluent limitations and monitoring requirements for Total Residual Chlorine, and the statement for flow based effluent limits calculations for outfall OIE00010006. Also added monitoring for hardness. |
| M6 | Deleted Total Residual Chlorine monitoring and effluent limitations. |
| M7 | Revised narrative limitation regarding outfall contents and deleted pH limits and monitoring. |
| M9 | Added internal outfall OIE00010602 and a description of location to Part II, Item A. Also deleted description of station OIE00010601 from Part II, A. |
| 11a | Add pH excursion language and a requirement regarding Total Residual Chlorine. Also added instructions regarding daily sampling and reporting. |

Attached are the modified pages to the NPDES permit.

All terms and conditions of the existing permit not recommended for modification by this document will remain in effect. Any modified term or condition contained in this modification shall supersede, on the date this modification is effective, the existing respective term or condition of the permit.

When the modification is effective, the OEPA permit number will be changed to OIE00010*ED. The application number will remain OH0010910.


Donald R. Schregardus
Director

PART I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. STATION OIE00010601 DELETED.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 01E00010001. See Part II, OTHER REQUIREMENTS, for location of effluent sampling.

EFFLUENT CHARACTERISTIC			DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
Reporting Code	Units	Parameter	Concentration		Loading*		Meas. Frequency	Sample Type
			Specified	Units	kg/day	30 Day Daily		
00010	°C	Water Temperature	-	-	-	-	1/Week	Grab
00530	mg/l	Total Suspended Solids	-	-	-	-	1/Month	24 Hr. Comp.
00556	mg/l	Oil and Grease	15	20	-	-	1/Week	Grab
00610	mg/l	Nitrogen, Ammonia (NH ₃)	-	-	-	-	1/Month	24 Hr. Comp.
00720	mg/l	Cyanide, Total	-	-	-	-	1/Month	24 Hr. Comp.
00951	mg/l	Fluoride, Total (F)	-	-	-	-	1/Month	24 Hr. Comp.
01042	µg/l	Copper, Total (Cu)	-	-	-	-	1/Month	24 Hr. Comp.
01051	µg/l	Lead, Total (Pb)	-	-	-	-	1/Month	24 Hr. Comp.
01092	µg/l	Zinc, Total (Zn)	-	-	-	-	1/Month	24 Hr. Comp.
50050	MGD	Flow Rate	-	-	-	-	Daily	24 Hr. Total

This outfall is limited to non-contact cooling water and uncontaminated storm water.

2. The pH (Reporting Code 00400) shall not be less than 6.5 S.U. nor greater than 9.0 S.U. and shall be monitored 1/week by grab sample.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at sampling stations described in Part II, OTHER REQUIREMENTS.

PART I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: OIE00010003. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

EFFLUENT CHARACTERISTIC			DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
REPORTING CODE/UNITS	PARAMETER		Concentration		Loading		Measurement Frequency	Sample Type
			Other Units (Specify)		kg/day			
			30 DAY	DAILY	30 DAY	DAILY		
00010	°C	Water Temperature	-	-	-	-	1/Week	Grab
00530	MG/L	Residue, Total Nonfilterable	-	-	-	-	1/Month	24 Hr. Comp.
00556	MG/L	Oil and Grease	15	20	-	-	1/Month	Grab
00610	MG/L	Nitrogen, Ammonia (NH ₃)	-	-	-	-	1/Month	24 Hr. Comp.
00720	MG/L	Cyanide, Total	-	-	-	-	1/Month	24 Hr. Comp.
00951	MG/L	Fluoride, Total (F)	-	-	-	-	1/Month	24 Hr. Comp.
01042	UG/L	Copper, Total (Cu)	-	-	-	-	1/Month	24 Hr. Comp.
01051	UG/L	Lead, Total (Pb)	-	-	-	-	1/Month	24 Hr. Comp.
01152	UG/L	Titanium, Total (Ti)	-	-	-	-	1/Month	24 Hr. Comp.
01092	UG/L	Zinc, Total (Zn)	-	-	-	-	1/Month	24 Hr. Comp.
01105	UG/L	Aluminium, Total (Al)	-	-	-	-	1/Month	24 Hr. Comp.
50050	MGD	Flow Rate	-	-	-	-	Daily	24 Hr. Total
50060	MG/L	DELETED						
71900	UG/L	Mercury, Total (Hg)	-	-	-	-	1/Month	24 Hr. Comp.

2. The pH (Reporting Code 00400) shall not be less than 6.5 S.U. nor greater than 9.0 S.U. and shall be monitored 1/week by grab sample.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.

PART I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following internal outfall: OIE00010602* SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

<u>EFFLUENT CHARACTERISTIC</u>			<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
REPORTING CODE/UNITS	PARAMETER		Concentration		Loading		Measurement Frequency	Sample Type
			Other Units (Specify)		kg/day			
			30 DAY	DAILY	30 DAY	DAILY		
00010	°C	Water Temperature	-	-	-	-	1/Week	Grab
00530	MG/L	Residue, Total Nonfilterable	-	-	117.59	247.45	1/Week	24 Hr. Comp.
00556	MG/L	Oil and Grease	-	-	72.36	120.46	1/Week	Grab
00610	MG/L	Nitrogen, Ammonia (NH ₃)	-	-	47.39	107.89	1/Month	24 Hr. Comp.
00720	MG/L	Cyanide, Total	-	-	0.10	0.23	1/Week	24 Hr. Comp.
00951	MG/L	Fluoride, Total	-	-	21.89	48.42	1/Week	24 Hr. Comp.
01051	UG/L	Lead, Total	-	-	0.16	0.34	1/Week	24 Hr. Comp.
01092	UG/L	Zinc, Total	-	-	0.43	1.18	1/Week	24 Hr. Comp.
50050	MGD	Flow	-	-	-	-	Daily	24 Hr. Total

* After treatment

2. The pH (Reporting Code 00401 (Maximum) and 00402 (Minimum)) shall not be less than 7.5 S.U. nor greater than 10.0 S.U. and shall be monitored continuously with daily minimum and daily maximum being reported.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.

PART I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

- During the period beginning on the effective date of this permit, and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 01E00010006. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

<u>EFFLUENT CHARACTERISTIC</u>			<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
REPORTING CODE/UNITS	PARAMETER		Concentration		Loading		Measurement Frequency	Sample Type
			Other Units (Specify)	30 DAY DAILY	kg/day	30 DAY DAILY		
00010	°C	Water Temperature	-	-	-	-	1/Week	Grab
00530	MG/L	Residue, Total Nonfilterable	-	-	-	-	1/Month	24 Hr. Comp.
00556	MG/L	Oil and Grease	15	20	-	-	1/Week	Grab
00610	MG/L	Nitrogen, Ammonia (NH ₃)	-	-	-	-	1/Month	24 Hr. Comp.
00720	MG/L	Cyanide, Total	-	0.044	-	-	1/Month	24 Hr. Comp.
00900	MG/L	Hardness	-	-	-	-	1/Month	24 Hr. Comp.
00951	MG/L	Fluoride, Total (F)	-	-	-	-	1/Month	24 Hr. Comp.
01042	UG/L	Copper, Total (Cu)	-	72	-	-	1/Month	24 Hr. Comp.
01051	UG/L	Lead, Total (Pb)	-	429	-	-	1/Month	24 Hr. Comp.
01092	UG/L	Zinc, Total (Zn)	-	447	-	-	1/Month	24 Hr. Comp.
01105	UG/L	Aluminium, Total (Al)	-	-	-	-	1/Month	24 Hr. Comp.
01152	UG/L	Titanium, Total (Ti)	-	-	-	-	1/Month	24 Hr. Comp.
50050	MGD	Flow Rate	-	-	-	-	Daily	24 Hr. Total
50060	MG/L	DELETED	-	-	-	-	-	-
71900	UG/L	Mercury, Total (Hg)	-	2.2	-	-	1/Month	24 Hr. Comp.

- The pH (Reporting Code 00400) shall not be less than 6.5 S.U. nor greater than 9.0 S.U. and shall be monitored 1/week by grab sample.
- Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.

PART I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfalls: OIE00010002 and OIE00010005. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

<u>EFFLUENT CHARACTERISTIC</u>			<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
REPORTING CODE/UNITS	PARAMETER		Concentration		Loading		Measurement Frequency	Sample Type
			30 DAY	DAILY	30 DAY	DAILY		
00556	MG/L	Oil and Grease	-	-	-	-	2/Month	Grab*
01042	UG/L	Copper, Total (Cu)	-	-	-	-	1/Month	24 Hr. Comp.
01092	UG/L	Zinc, Total (Zn)	-	-	-	-	1/Month	24 Hr. Comp.
01152	UG/L	Titanium, Total (Ti)	-	-	-	-	1/Month	Grab*
50050	MGD	Flow Rate	-	-	-	-	2/Week	24 Hr. Est.*
50060	DELETED							

At these stations, discharge of oil and other contaminants from manufacturing operations is prohibited. These stations are limited to uncontaminated cooling water, uncontaminated storm water, water from hydrostatic, pneumatic, and ultrasonic testing, and such utility wastes as water softener backwash and boiler blowdown.

There shall be no discharge allowance for process wastewater pollutants at outfall OIE00010002 per 40 CFR 471.62 Subpart F under (1) Heat treatment contact cooling water.

* Whenever possible, estimate flow and collect samples 1/month during dry weather and 1/month during wet weather.

2. The pH (Reporting Code 00400) shall not be less than 6.0 S.U. nor greater than 9.0 S.U. and shall be monitored 2/Month by grab sample.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.

PART I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: OIE00010004. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

<u>EFFLUENT CHARACTERISTIC</u>			<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
REPORTING CODE/UNITS	PARAMETER		Concentration		Loading		Measurement Frequency	Sample Type
			Other Units (Specify)		kg/day			
			30 DAY	DAILY	30 DAY	DAILY		
00550	MG/L	Oil and Grease	-	-	-	-	2/Month	Grab*
50050	MGD	Flow Rate	-	-	-	-	2/Month	24 Hr. Est.

This station is limited to uncontaminated storm water. Discharge of oil, and other contaminants from manufacturing operations, is prohibited.

- * Visual observation is acceptable. Report "AH" in data blank; explain in "remarks" section of report form whether any oil and grease was observed in the discharge. Whenever possible, observe when runoff was from snow melt or rainfall greater than a trace amount but less than 0.25".

2. DELETED.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.

PART II, OTHER REQUIREMENTS

A. Description of the location of the required sampling stations are as follows:

<u>Sampling Station</u>	<u>Description of Location</u>
OIE00010001	15" corrugated metal pipe discharging to Jeddo Run 30 ft east of the Titanium Way bridge over Jeddo Run.
OIE00010002	12" vitrified clay pipe discharging to Jeddo Run 160 ft east of the Titanium Way bridge over Jeddo Run.
OIE00010003	30" round concrete pipe discharging to Jeddo Run 80 ft east of the Conrail bridge over Jeddo Run.
OIE00010004	30" round concrete pipe discharging to the Ohio River 120 ft north of River Pump House (Building #20).
OIE00010005	24" round concrete pipe discharging to the Ohio River 120 ft south of River Pump House (Building #20).
OIE00010006	54" round concrete pipe discharging to the Ohio River 50 ft south of south end of Extrusion Building (Building #33).
OIE00010601	DELETED
OIE00010602	Effluent from the wastewater treatment plant prior to discharge through final outfall OIE00010006.
OIE00010801	Well #1, located 250 ft northwest of outfall OIE00010006, and just east of the Conrail tracks, in the southern part of the premises.
OIE00010802	Well #2, located 300 ft northwest of outfall OIE00010005, and just east of the Conrail tracks, in the central part of the premises.
OIE00010803	Well #3, located 400 ft northwest of outfall OIE00010004, and just east of the Conrail tracks, in the central part of the premises.
OIE00010804	Well #4, located 150 ft north of outfall OIE00010004 and a short distance west of Ohio River.
OIE00010805	Well #5, located midway between outfall OIE00010004 and Jeddo Run, a short distance west of Ohio River.
OIE00010806	Well #6, located just east of the intersection of Franklin Avenue, Titanium Way, and the Ohio Route 7 ramp.

B. In the event the permittee's operation shall require the use of cooling water treatment additives, written permission must be obtained from the Ohio Environmental Protection Agency. The permittee shall demonstrate that the use of the additive in the concentrations expected will not be harmful or inimical to aquatic life as determined by acute static bioassays.

C. Permit limitations may be revised in order to meet water quality standards after a stream use determination and wasteload allocation are completed and approved. This permit may be modified, or alternatively, revoked, and reissued, to comply with any applicable water quality effluent limitations.

D. If permittee wishes to discharge liquids removed from its acid spill containment facilities, it shall pass those liquids through any neutralization facilities needed to bring the pH into the range of 6.5-9.0 S.U. and discharge only from a station authorized in this permit.

PART II, OTHER REQUIREMENTS

- G. On Outfalls where pH is monitored continuously, the permittee shall maintain the pH of such wastewater within the range specified in this permit. Excursions from the range are permitted subject to the following limitations:
1. The total time during which pH values are outside the required range of pH values shall not exceed 7 hours and 26 minutes in any calendar month.
 2. No individual excursion from the range of pH values shall exceed 60 minutes.
 3. The permittee shall report each month for each monitoring station where pH is monitored continuously the following:
 - a. the number of pH excursions,
 - b. the duration of each excursion,
 - c. the date of each excursion, and
 - d. the total time of all excursions combined.
- H. Total Residual Chlorine monitoring and limitations have been removed from this permit because the permittee no longer chlorinates its private water supply for use as potable water. The permittee now uses a public water supply for potable water. The permittee is prohibited from chlorinating its private water supply without first applying for this permit to be modified.
- I. All parameters, except flow, need not be monitored on days when the plant is not normally staffed (Saturdays, Sundays, and holidays). On those days report "AN" on the monthly report form.



State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.
Columbus, Ohio 43266-0149
(614) 644-3020
FAX (614) 644-2329

George V. Voinovich
Governor

Donald R. Schregardus
Director

December 24, 1992

Re: Ohio EPA Permit No. 01E00010*ED

Titanium Metals Corporation
100 Titanium Way
P.O. Box 309
Toronto, OH 43964

Gentlemen:

We propose to make the following minor modifications to the above referenced permit.

<u>Page</u>	<u>Correction</u>
M3	Delete the 30 day and daily loading limitations for Total Suspended Solids, Oil & Grease, Ammonia, Cyanide, Fluoride, Lead and Zinc. Delete daily concentration limitation for Cyanide, Lead and Zinc. Add a statement describing the wastewater sources tributary to this outfall (001). Delete the statement prohibiting the discharge of lubricants via this outfall.

If you consent to these changes, please sign below and incorporate the corrected page into your permit. The proposed minor modifications will become effective on the date we receive this signed letter from you at the following address: Ohio Environmental Protection Agency, Division of Water Pollution Control, Permit Administration Section, P. O. Box 1049, Columbus, Ohio 43266-0149.

Sincerely,

Robert E. Phelps, P.E., Manager
Permit Administration Section
Division of Water Pollution Control

REP/mbn

Enclosure

CERTIFIED MAIL

I consent to the minor modification.

Name

Title

Date



Issue Date: December 11, 1992

Effective Date: January 2, 1993

Expiration Date: December 29, 1997

Ohio Environmental Protection Agency
Indirect Discharge Permit

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as "the Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code 6111),

Titanium Metals Corporation

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge wastewater from its facility located at 100 Titanium Way, Toronto, Ohio, Jefferson County into the Publicly Owned Treatment Works of the City of Toronto located at 1400 South River Avenue, Toronto, Ohio in accordance with the conditions specified in Parts I, II, and III of this permit.

The permit is issued to apply and enforce pretreatment rules of the state of Ohio. The rights granted by this permit shall not supersede the primacy of the above authority in the regulation of its publicly owned treatment works.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.



Donald R. Schregardus
Director

PART I, A - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfalls as described below in Part I, A. .

<u>EFFLUENT CHARACTERISTIC</u>			<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
Reporting Code	Units	Parameter	Concentration		Loading		Meas. Freq.	Sample Type
			Daily Max.	Monthly Avg.	Daily Max.	Monthly Avg.		
00056	GPD	Flow Rate	-	-	-	-	3/6 Month	24 Hr. Total
00402	S.U.	pH, Minimum	Not less than 5.0 at any time				3/6 Month	Grab
00720	mg/l	Cyanide, Total	0.530	0.220	-	-	3/6 Month	Grab
01051	µg/l	Lead, Total (Pb)	780	370	-	-	3/6 Month	Composite
01092	µg/l	Zinc, Total (Zn)	2700	1130	-	-	3/6 Month	Composite
00610	mg/l	Nitrogen, Ammonia (NH ₃)	246.1	108.34	-	-	3/6 Month	Composite
00950	mg/l	Fluoride, Dissolved (F)	109.670	48.75	-	-	3/6 Month	Composite

2. The above limitations are based on a production rate of 1,093,584 Kilograms per year and a regulated process wastewater flow of 43,200 gallons per day.
3. Samples shall be collected from the weir box between tube forming lines #2 and #5.

Part II - OTHER REQUIREMENTS

1. The permittee shall comply with all applicable rules, regulations, and ordinances of the City of Toronto. Any violation of those provisions shall also be considered a violation of this permit. If the authority to discharge is revoked by the POTW, this shall also be considered grounds for revocation of this permit.
2. In addition to the report submitted to Ohio EPA under Part III, Item 3, of this permit, a copy of each discharge monitoring report shall be submitted to the POTW at the following address:

City of Toronto Wastewater Treatment Plant
310 Sixth Avenue
Toronto, Ohio 43964

3. Any slug loading shall be reported to the POTW at (614) 537-2792 pursuant to requirements in Part III, Item 10.

Part III - GENERAL CONDITIONS

1. DEFINITIONS

"Absolute Limitations" Compliance with limitations having descriptions of "shall not be less than," "nor greater than," "shall not exceed," "minimum," or "maximum" shall be determined from any single value for samples and/or measurements collected.

"Composite" means a combination of individual samples collected at periodic intervals of the entire discharge day. The composite must be flow proportional; either the time interval between each individual sample or the volume of each individual sample must be directly proportional to either the wastestream flow at the time of the sampling or the total wastestream flow since the collection of the previous sample. Samples may be collected manually or automatically.

"Grab" means an individual sample collected at such time and location as to be representative of the discharge.

"Interference" means a discharge which, alone or in conjunction with a discharge or discharges from other sources, both: 1) inhibits or disrupts the POTW, its treatment processes or operations, or its sludge processes, use or disposal; and (2) therefore, is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) or of the prevention of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent local regulations): Section 405 of the Clean Water Act, the Solid Waste Disposal Act (SWDA) (including Title II, more commonly referred to as the Resource Conservation and Recovery Act (RCRA), and including state regulations contained in any state sludge management plan prepared pursuant to Subtitle D of SWDA), the Clean Air Act, and the Toxic Substances Control Act.

"mg/l" means milligrams per liter.

"pass through" means a discharge which exits through the POTW to waters of the state in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's NPDES permit.

"POTW" or "publicly owned treatment works" means a treatment works owned or operated by a public authority. This definition includes any devices and systems used in the storage, treatment, recycling, and reclamation of municipal sewage or industrial wastes of a liquid nature. It also includes sewers, pipes, and other conveyances only if they convey wastewater to a POTW treatment plant. The term also means the public authority which has jurisdiction over the indirect discharges to and the discharges from such a treatment works.

"Pollutant" means sewage, industrial waste, or other waste as defined by divisions (B), (C) and (D) of Section 6111.01 of the Revised Code.

"Reporting Code" is a five digit number used by the Ohio EPA in processing reported data. The reporting code does not imply the type of analysis used nor the sampling techniques employed.

"Slug loading" means any pollutant, including oxygen demanding pollutants, released in a discharge at a flow rate and/or pollutant concentration as to cause interference in the POTW.

"µg/l" means micrograms per liter.

2. GENERAL EFFLUENT LIMITATIONS

- A. All users of a POTW shall comply with the requirements of 40 CFR Part 403, the Federal "General Pretreatment Regulations for Existing and New Sources of Pollution," as appropriate.
- B. The permittee shall not introduce the following pollutants into a POTW:
1. Pollutants which create a fire or explosion hazard in the POTW;
 2. Pollutants which will cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0, unless the POTW is specifically designed to accommodate such discharges;
 3. Solid or viscous pollutants in amounts which will cause obstruction to the flow in sewers, or other interference with the operation of the POTW;
 4. Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration as to cause interference in the POTW;
 5. Heat in amounts that will inhibit biological activity in the POTW resulting in interference or causing damage, but in no case heat in such quantities that the temperature exceeds 40° C (104° F) at the POTW unless the director, upon request of the POTW, approves an alternate temperature limit;
 6. Any liquids, gases, or solids which either singly or by interaction prevent entry into sewers for their maintenance and repair.
- C. The permittee shall not achieve any effluent concentration by dilution. The permittee shall not increase the use of potable water, process water or cooling water or otherwise attempt to dilute a discharge as a partial or complete substitution for adequate treatment to achieve compliance with the limitations contained in this permit.

3. REPORTING

- A. Monitoring data required by this permit shall be reported on the Ohio EPA report form (4519) on a semi-annual basis, unless specified otherwise in Part II - Other Conditions. Reports for each sampling period are to be received no later than the 15th day of June and December. The original plus first copy of the report form must be signed and mailed to:

Ohio Environmental Protection Agency
Pretreatment Unit
1800 WaterMark Drive
P. O. Box 1049
Columbus, Ohio 43266-0149

- B. If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit,

using approved analytical methods as specified below, the results of such monitoring shall be included in the calculation and reporting of the values required in the reports specified above.

- C. Analyses of pollutants not required by this permit, except as noted in the preceding paragraph, shall not be reported on Ohio EPA report form (4519), but records shall be retained as specified in the paragraph entitled "Records Retention."
- D. A copy of the Ohio EPA report form (4519) shall be sent to the POTW authority as specified in Part II, Other Requirements.
- E. If sampling performed by the permittee indicates a violation of a daily maximum effluent limit, the permittee shall notify the appropriate Ohio EPA district office within 24 hours of becoming aware of the violation. The permittee shall also repeat the sampling and analysis and submit the results of the repeat analysis to Ohio EPA, at the address given in paragraph 3.A above, within 30 days after becoming aware of the violation.

4. SAMPLING AND ANALYTICAL METHODS

- A. Samples and measurements taken as required herein shall be representative of daily operations. Test procedures for the analysis of pollutants shall conform to regulation 40 CFR 136, "Test Procedures For The Analysis of Pollutants" unless other test procedures have been specified in this permit. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.
- B. Unless otherwise specified in Part II - Other Requirements, samples shall be obtained through use of flow-proportional composite sampling techniques; where composite sampling is not physically possible or contrary to the approved methods set forth in 40 CFR 136, a grab sample is acceptable.
- C. The permittee is responsible for providing a sampling location suitable for obtaining a representative sample.

5. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- A. The exact place and date of sampling;
- B. The person(s) who performed the sampling or measurements;
- C. The date the analyses were performed on those samples;
- D. The person(s) who performed the analyses;
- E. The analytical techniques or methods used; and
- F. The results of all analyses and measurements.

6. RECORDS RETENTION

The permittee shall retain all of the following records for a minimum of three years, including:

- A. All sampling and analytical records (including internal sampling data not reported);
- B. All original recordings for any continuous monitoring instrumentation;
- C. All instrumentation, calibration and maintenance records; and

- D. All plant operation and maintenance records.
- E. All reports required by this permit.
- F. Records of all data used to complete the application for this permit for a period of at least three years from the date of the sample, measurement, report or application.

7. AVAILABILITY OF REPORTS

Except for data determined by the Ohio EPA to be entitled confidential status, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate district office of the Ohio EPA. Both the Clean Water Act and Section 6111.05 of the Ohio Revised Code state that effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in the Ohio Revised Code Section 6111.99.

8. DUTY TO PROVIDE INFORMATION

The permittee shall furnish to the director, within a reasonable time, any information which the director may request to determine whether cause exists for modifying or revoking the permit, or to determine compliance with this permit. The permittee shall also furnish to the director, upon request, copies of records required to be kept by this permit.

9. RIGHT OF ENTRY

The permittee shall allow the director, or an authorized representative upon presentation of credentials and other documents as may be required by law, to:

- A. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.
- B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
- C. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit,
- D. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

10. NOTIFICATION OF SLUG LOADING

- A. The permittee shall notify the POTW at the telephone number provided in Part II - Other Conditions and the Ohio EPA by telephone at 1-800-282-9378 within one hour of discovery of any slug loading and provide the following:
 - 1. A description of the discharge and the cause of the slug loading;
 - 2. The period of slug loading including exact dates and times and, if not corrected, the anticipated time the noncompliance is expected to continue;

3. The steps taken or planned to reduce, eliminate and prevent reoccurrence of the slug loading.
 4. The POTW affected by the discharge.
- B. A written report containing the above information shall be filed with the POTW at the address provided in Part II - Other Conditions, and the Ohio EPA, at the address provided in Part III, Paragraph 3 entitled "REPORTING" within five business days of the day when the slug loading occurred.

11. DISCHARGE CHANGES

The following changes must be reported to the Ohio EPA as soon as practicable.

- A. Any significant change in character of the discharge which the permittee knows or has reason to believe has occurred or will occur which would constitute cause for modification or revocation. The permittee shall give advance notice to the director of any planned changes in the process line or treatment works from which the permitted discharge originates which may result in noncompliance with permit requirements. These changes include, but are not limited to, increases or decreases in production rates from which categorical standards are calculated, discharge flow rates, and the addition or deletion of wastestreams. Notification of permit changes or anticipated noncompliance does not stay any permit conditions.

Following this notice, modifications to the permit may be made to reflect any necessary changes in permit conditions, including any necessary effluent limitations for any pollutants not identified and limited herein. Sections 6111.44 and 6111.45, Ohio Revised Code, require that plans for treatment works or improvements to such works be approved by the director of the Ohio EPA prior to construction.

12. TOXIC POLLUTANTS

The permittee shall comply with effluent standards or prohibitions under Section 307(a) of the Clean Water Act or Section 3745-3 of the Ohio Administrative Code for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement. Following establishment of such standards or prohibitions, the director shall modify this permit and so notify the permittee.

13. PERMIT MODIFICATION OR REVOCATION

- A. After notice and opportunity for a hearing, this permit may be modified or revoked, by the Ohio EPA, in whole or in part during its term for cause including, but not limited to, the following:
1. Violation of any terms or conditions of this permit;
 2. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 3. A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge; or

- B. Pursuant to rule 3745-36-08, Ohio Administrative Code, the permittee may at any time apply to the Ohio EPA for modification of any part of this permit. The filing of a request by the permittee for a permit modification or revocation does not stay any permit condition. The application for modification should be received by the Ohio EPA Pretreatment Unit at least ninety days before the date on which it is desired that the modification become effective. The application shall be made only on forms approved by the Ohio EPA.

14. TRANSFER OF OWNERSHIP OR CONTROL

This permit cannot be transferred or assigned nor shall a new owner or successor be authorized to discharge from this facility, until the following requirements are met:

- A. The permittee shall notify the Ohio EPA Pretreatment Unit at least sixty days in advance of the proposed transfer date;
- B. The notice include a written agreement containing a specific date for transfer of permit responsibility and coverage between the current and new permittee (including acknowledgement that the existing permittee is liable for violations up to that date, and that the new permittee is liable for violations from that date on); and
- C. The director does not exercise his right to notify the current permittee and the new permittee of his or her intent to modify or revoke the permit and to require that a new application be filed.

15. STATE LAWS AND REGULATIONS

Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Act.

16. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

17. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

18. SIGNATORY REQUIREMENTS

- A. All applications and reports submitted to the Ohio EPA must be signed by an authorized representative of the permittee. An authorized representative may be:

1. In the case of a corporation, by a principal executive officer of at least the level of vice president, or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates.
2. In the case of a partnership, by a general partner.
3. In the case of a sole proprietorship, by the proprietor.

19. NEED TO HALT OR REDUCE ACTIVITY

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with conditions of this permit.

20. APPLICABLE FEDERAL RULES

All references to 40 CFR in this permit mean the version of 40 CFR which is effective as of the effective date of this permit.

21. AUTHORIZED DISCHARGES

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than, or at a level in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit. Such violations may result in the imposition of civil and/or criminal penalties as provided for in Ohio Revised Code Sections 6111.09 and 6111.99.

22. DISPOSAL OF RESIDUALS

The storage and disposal of collected screenings, slurries, sludge or other solids shall be in accordance with Section 405 of the Clean Water Act and Subtitle C and D of the Resource Conservation and Recovery Act.

23. CIVIL AND CRIMINAL LIABILITY

Except as exempted in the permit conditions on unauthorized discharges, nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

24. OTHER INFORMATION

- A. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the director, it shall promptly submit such facts or information.
 - B. ORC 6111.99 provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$25,000 per violation.
 - C. ORC 6111.99 states that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$25,000 per violation.
 - D. ORC 6111.99 provides that any person who violates Sections 6111.04, 6111.042, 6111.05, or division (A) of Section 6111.07 of the Revised Code shall be fined not more than \$25,000 or imprisoned not more than one year, or both.
-

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

OH0010910

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO
602

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVER. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	< 2	< 0.7					1	mg/l	kg/d			
b. Chemical Oxygen Demand (COD)	< 8	< 2.8					1	mg/l	kg/d			
c. Total Organic Carbon (TOC)	< 1.0	< 0.35					1	mg/l	kg/d			
d. Total Suspended Solids (TSS)	9.2	3.30	6.35	1.56	3.0	0.40	98	mg/l	kg/d			
e. Ammonia (as N)	7.33	1.01	7.33	1.01	3.78	0.31	24	mg/l	kg/d			
f. Flow	VALUE 0.135		VALUE 0.076		VALUE 0.029		549	MGD	MGD	VALUE		
g. Temperature (winter)	VALUE 21		VALUE 19		VALUE 17		48	°C		VALUE		
h. Temperature (summer)	VALUE 28		VALUE 26		VALUE 21		49	°C		VALUE		
i. pH	MINIMUM 2.60	MAXIMUM 11.60	MINIMUM 7.32	MAXIMUM 9.96			550	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVER. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-87-8)		X												
b. Chlorine, Total Residual		X												
c. Color		X												
d. Faecal Coliform		X												
e. Fluoride (18984-48-8)	X		16.80	6.99	10.85	3.47	6.55	0.88	98	mg/l	kg/d			
f. Nitrate-Nitrite (as N)	X		52.5	18.48					1	mg/l	kg/d			

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. DE- LIVERED PRE- SENT	b. DE- LIVERED AS- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENTRATION	b. MASS	e. LONG TERM AVERAGE VALUE		f. NO. OF ANAL- YSES
			(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS				(i) CONCENTRATION	(i) MASS	
g. Nitrogen, Total Organic (as N)	X		0.95	0.33					1	mg/l	kg/d			
h. Oil and Grease	X		18.0	2.04	6.23	0.72	1.5	0.17	98	mg/l	kg/d			
i. Phosphorus (as P), Total (7723-14-0)	X		<0.02	<0.007					1	mg/l	kg/d			
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO ₄) (14808-79-8)		X												
l. Sulfide (as S)		X												
m. Sulfite (as SO ₃) (14265-45-3)		X												
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)	X		<100	<0.035					1	ug/l	kg/d			
p. Barium, Total (7440-39-3)		X												
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		< 40	<0.014					1	ug/l	kg/d			
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-6)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-8)	X		150	0.053					1	ug/l	kg/d			

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
OH0010910	602

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (*all 7 pages*) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVG. VALUE (If available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	e. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS				(i) CONCENTRATION	(i) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			< 3.0						1	ug/l	kg/d			
2M. Arsenic, Total (7440-38-2)	X			< 3.0						1	ug/l	kg/d			
3M. Beryllium, Total, (7440-41-7)	X			< 5.0						1	ug/l	kg/d			
4M. Cadmium, Total (7440-43-8)	X			< 0.5						1	ug/l	kg/d			
5M. Chromium, Total (7440-47-3)	X			< 20						1	ug/l				
6M. Copper, Total (7440-50-8)	X			< 10						1	ug/l				
7M. Lead, Total (7439-92-1)		X		160	0.02	41.9	0.01	3.8	< 0.01	98	ug/l	kg/d			
8M. Mercury, Total (7439-97-6)	X			< 0.2						1	ug/l				
9M. Nickel, Total (7440-02-0)	X			< 20						1	ug/l				
10M. Selenium, Total (7782-49-2)	X			< 3.0						1	ug/l				
11M. Silver, Total (7440-22-4)	X			< 1.0						1	ug/l				
12M. Thallium, Total (7440-28-0)	X			< 1.0						1	ug/l				
13M. Zinc, Total (7440-66-6)		X		56	< 0.01	22	< 0.01	11	< 0.01	98	ug/l	kg/d			
14M. Cyanide, Total (57-12-8)		X		0.257	0.02	0.087	0.01	0.013	< 0.01	96	mg/l	kg/d			
15M. Phenols, Total	X														
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1784-01-8)	X			DESCRIBE RESULTS < 10.0 ug/l											

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT						4. UNITS			5. INTAKE (optional)		
	A. TEST ING RE- QUIR- ED	B. DE- LIVERED SENT	C. DE- LIVERED AS- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVG. VALUE (If available)		d. NO. OF ANAL- YSES	a. CONCENTRATION	b. MASS	e. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			< 100						1	ug/l				
2V. Acrylonitrile (107-13-1)	X			< 100						1	ug/l				
3V. Benzene (71-43-2)	X			< 5.0						1	ug/l				
4V. Bis (Chloro- methyl) Ether (542-88-1)				See note on attached sheet.											
5V. Bromoform (75-26-2)	X			< 5.0						1	ug/l				
6V. Carbon Tetrachloride (86-23-8)	X			< 5.0						1	ug/l				
7V. Chlorobenzene (108-90-7)	X			< 5.0						1	ug/l				
8V. Chlorodi- bromomethane (124-48-1)	X			< 5.0						1	ug/l				
9V. Chloroethane (75-00-3)	X			< 10.0						1	ug/l				
10V. 2-Chloro- ethylvinyl Ether (110-75-5)	X			< 10.0						1	ug/l				
11V. Chloroform (67-86-3)	X			< 5.0						1	ug/l				
12V. Dichloro- bromomethane (75-27-4)	X			< 5.0						1	ug/l				
13V. Dichloro- difluoromethane (75-71-8)	X			< 10.0						1	ug/l				
14V. 1,1-Dichloro- ethane (75-34-3)	X			< 5.0						1	ug/l				
15V. 1,2-Dichloro- ethane (107-06-2)	X			< 5.0						1	ug/l				
16V. 1,1-Dichloro- ethylene (75-35-4)	X			< 5.0						1	ug/l				
17V. 1,2-Dichloro- propane (78-87-5)	X			< 5.0						1	ug/l				
18V. 1,3-Dichloro- propylene (542-75-6)	X			< 5.0						1	ug/l				
19V. Ethylbenzene (100-41-4)	X			< 5.0						1	ug/l				
20V. Methyl Bromide (74-83-9)	X			< 10.0						1	ug/l				
21V. Methyl Chloride (74-87-3)	X			< 10.0						1	ug/l				

602

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST ING RE- QUI- RED	B. DE- LIVERED PRE- SENT	C. DE- LIVERED POST- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVG. VALUE (If available)		d. NO. OF ANAL- YSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X			< 2.0						1	ug/l				
2B. Acenaphthylene (208-96-8)	X			< 2.0						1	ug/l				
3B. Anthracene (120-12-7)	X			< 2.0						1	ug/l				
4B. Benzidine (92-87-5)	X			< 15.0						1	ug/l				
5B. Benzo (a) Anthracene (56-55-3)	X			< 3.0						1	ug/l				
6B. Benzo (a) Pyrene (50-32-8)	X			< 4.0						1	ug/l				
7B. 3,4-Benzofluoranthene (205-99-2)	X			< 4.0						1	ug/l				
8B. Benzo (ghi) Perylene (191-24-2)	X			< 5.0						1	ug/l				
9B. Benzo (k) Fluoranthene (207-08-9)	X			< 4.0						1	ug/l				
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	X			< 2.0						1	ug/l				
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X			< 2.0						1	ug/l				
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	X			< 2.0						1	ug/l				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X			77						1	ug/l				
14B. 4-Bromophenyl Phenyl Ether (101-85-3)	X			< 3.0						1	ug/l				
15B. Butyl Benzyl Phthalate (88-68-7)	X			< 2.0						1	ug/l				
16B. 2-Chloronaphthalene (91-68-7)	X			< 1.0						1	ug/l				
17B. 4-Chlorophenyl Phenyl Ether (7008-72-3)	X			< 2.0						1	ug/l				
18B. Chrysene (218-01-9)	X			< 3.0						1	ug/l				
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			< 5.0						1	ug/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X			< 2.0						1	ug/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X			< 2.0						1	ug/l				

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST ING QUAN- TITY	B. RE- LISHED SENT	C. RE- LISHED SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENTRATION	b. MASS	3. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
228. 1,4-Dichloro- benzene (108-48-7)	X			< 2.0						1	ug/l				
238. 3,3'-Dichloro- benzidine (91-84-1)	X			< 15.0						1	ug/l				
248. Diethyl Phthalate (84-66-2)	X			< 1.0						1	ug/l				
268. Dimethyl Phthalate (131-11-3)	X			< 1.0						1	ug/l				
268. Di-N-Butyl Phthalate (84-74-2)	X			< 1.0						1	ug/l				
278. 2,4-Dinitro- toluene (121-14-2)	X			< 4.0						1	ug/l				
288. 2,6-Dinitro- toluene (608-20-2)	X			< 4.0						1	ug/l				
298. Di-N-Octyl Phthalate (117-84-0)	X			< 1.0						1	ug/l				
308. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)	X			< 1.0						1	ug/l				
318. Fluorethane (208-44-0)	X			< 2.0						1	ug/l				
328. Fluorene (86-73-7)	X			< 3.0						1	ug/l				
338. Hexachlorobenzene (118-74-1)	X			< 2.0						1	ug/l				
348. Hexa- chlorobutadiene (87-68-3)	X			< 3.0						1	ug/l				
358. Hexachloro- cyclopentadiene (77-47-4)	X			< 5.0						1	ug/l				
368. Hexachloro- ethane (87-72-1)	X			< 3.0						1	ug/l				
378. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			< 5.0						1	ug/l				
388. Isophorone (78-59-1)	X			< 1.0						1	ug/l				
398. Naphthalene (91-20-3)	X			< 2.0						1	ug/l				
408. Nitrobenzene (98-96-3)	X			< 2.0						1	ug/l				
418. N-Nitro- sodimethylamine (62-78-9)	X			< 10.0						1	ug/l				
428. N-Nitrosodi- N-Propylamine (621-84-7)	X			< 2.0						1	ug/l				

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	ANAL- YZING METHOD	D. SE- LISHED PRE- SENT	C. SE- LISHED AD- DENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL- YSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANAL- YSES
				(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS				(i) CONCENTRATION	(ii) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro- sodiphenylamine (86-30-6)	X			<2.0						1	ug/l				
44B. Phenanthrene (85-01-8)	X			<2.0						1	ug/l				
45B. Pyrene (129-00-0)	X			<3.0						1	ug/l				
46B. 1,2,4-Tr- chlorobenzene (120-82-1)	X			<2.0						1	ug/l				
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)	X			<0.02						1	ug/l				
2P. α -BHC (319-84-8)	X			<0.02						1	ug/l				
3P. β -BHC (319-85-7)	X			<0.02						1	ug/l				
4P. γ -BHC (86-85-9)	X			<0.02						1	ug/l				
5P. δ -BHC (319-86-8)	X			<0.02						1	ug/l				
6P. Chlordane (87-74-8)	X			<0.10						1	ug/l				
7P. 4,4'-DDT (50-29-3)	X			<0.03						1	ug/l				
8P. 4,4'-DDE (72-85-9)	X			<0.03						1	ug/l				
9P. 4,4'-DDD (72-84-8)	X			<0.02						1	ug/l				
10P. Dieldrin (60-87-1)	X			<0.02						1	ug/l				
11P. α -Endosulfan (116-29-7)	X			<0.03						1	ug/l				
12P. β -Endosulfan (116-29-7)	X			<0.03						1	ug/l				
13P. Endosulfan Sulfate (1031-07-8)	X			<0.03						1	ug/l				
14P. Endrin (72-20-8)	X			<0.05						1	ug/l				
15P. Endrin Aldehyde (7421-93-4)	X			<0.05						1	ug/l				
16P. Heptachlor (76-44-8)	X			<0.03						1	ug/l				

CONTINUED FROM PAGE V-8

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
OH0010910	602

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT						4. UNITS			5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVG. VALUE (If available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	e. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS				(i) CONCENTRATION	(i) MASS	
GC/MS FRACTION — PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-87-3)	X			<0.03						1	ug/l				
18P. PCB-1242 (83469-21-9)	X			<0.10						1	ug/l				
18P. PCB-1254 (11097-69-1)	X			<0.10						1	ug/l				
20P. PCB-1221 (11104-28-2)	X			<0.10						1	ug/l				
21P. PCB-1232 (11141-16-8)	X			<0.10						1	ug/l				
22P. PCB-1248 (12672-29-8)	X			<0.10						1	ug/l				
23P. PCB-1260 (11098-82-8)	X			<0.10						1	ug/l				
24P. PCB-1016 (12674-11-2)	X			<0.10						1	ug/l				
25P. Toxaphene (8001-35-2)	X			<0.10						1	ug/l				

PAGE V-9

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

OH0010910

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO
006

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	< 2	< 3.45					1	mg/l	kg/d			
b. Chemical Oxygen Demand (COD)	< 8	<13.8					1	mg/l	kg/d			
c. Total Organic Carbon (TOC)	< 1.0	< 1.73					1	mg/l	kg/d			
d. Total Suspended Solids (TSS)	138.4	278.69	138.4	278.69	11.4	38.22	27	mg/l	kg/d			
e. Ammonia (as N)	0.58	4.12	0.58	4.12	0.17	0.94	24	mg/l	kg/d			
f. Flow	VALUE 4.580		VALUE 2.648		VALUE 1.383		719	MGD	MGD	VALUE		
g. Temperature (winter)	VALUE 20		VALUE 19		VALUE 17		49	°C		VALUE		
h. Temperature (summer)	VALUE 24		VALUE 23		VALUE 20		50	°C		VALUE		
i. pH	MINIMUM 6.60	MAXIMUM 9.40	MINIMUM 6.78	MAXIMUM 8.03	<div></div>		101	STANDARD UNITS		<div></div>		

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (If available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVG. VALUE (If available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual		X												
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		4.89	19.80	4.89	19.80	1.68	7.51	24	mg/l	kg/d			
f. Nitrate- Nitrite (as N)	X		1.27	2.19					1	mg/l	kg/d			

1. POLLUTANT AND CAS NO. (If available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. RECEIVED PER SENT	b. RECEIVED AS SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVG. VALUE (If available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		< 0.20	< 0.34					1	mg/l	kg/d			
h. Oil and Grease	X		414.3	1036.5	105.7	266.7	8.4	25.88	100	mg/l	kg/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.071	0.12					1	mg/l	kg/d			
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO ₄) (14808-79-8)		X												
l. Sulfide (as S)		X												
m. Sulfite (as SO ₃) (14266-46-3)		X												
n. Surfactants		X												
o. Aluminum, Total (7429-90-8)	X		420	1.08	420	1.08	130	0.58	24	ug/l	kg/d			
p. Barium, Total (7440-39-3)		X												
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-8)														
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-6)		X												
w. Tin, Total (7440-31-8)		X												
x. Titanium, Total (7440-32-8)	X		4780	10.22	4780	10.22	1058	4.10	26	ug/l	kg/d			

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
OH0010910	006

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (*all 7 pages*) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	e. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			< 3.0	< 0.005					1	ug/l	kg/d			
2M. Arsenic, Total (7440-38-2)	X			< 3.0	< 0.005					1	ug/l	kg/d			
3M. Beryllium, Total, 7440-41-7)	X			< 5.0	< 0.009					1	ug/l	kg/d			
4M. Cadmium, Total (7440-43-8)	X			< 0.5	< 0.0009					1	ug/l	kg/d			
5M. Chromium, Total (7440-47-3)	X			< 20	< 0.034					1	ug/l	kg/d			
6M. Copper, Total (7440-50-8)		X		76	0.41	76	0.41	15	0.07	24	ug/l	kg/d			
7M. Lead, Total (7439-92-1)		X		5	0.02	5	0.02	2	0.01	24	ug/l	kg/d			
8M. Mercury, Total (7439-97-6)		X		0.8	0.01	0.8	0.01	0.2	0.01	24	ug/l	kg/d			
9M. Nickel, Total (7440-02-0)	X			< 20	< 0.034					1	ug/l	kg/d			
10M. Selenium, Total (7782-49-2)	X			< 3.0	< 0.005					1	ug/l	kg/d			
11M. Silver, Total (7440-22-4)	X			< 1.0	< 0.0017					1	ug/l	kg/d			
12M. Thallium, Total (7440-28-0)	X			< 1.0	< 0.0017					1	ug/l	kg/d			
13M. Zinc, Total (7440-68-6)		X		116	10.0	116	10.0	19	0.50	24	ug/l	kg/d			
14M. Cyanide, Total (57-12-5)		X		0.02	0.10	0.02	0.10	0.008	0.04	24	mg / l	kg/d			
15M. Phenols, Total															
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1784-01-6)	X			DESCRIBE RESULTS < 10.0 ug/l											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST- ING RE- QUIR- ED	B. RE- LIEVED PRE- SENT	C. RE- LIEVED AS- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENTRATION	b. MASS	e. LONG TERM AVERAGE VALUE		f. NO. OF ANAL- YSES
				(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS				(i) CONCENTRATION	(i) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			<100						1	ug/l				
2V. Acrylonitrile (107-13-1)	X			<100						1	ug/l				
3V. Benzene (71-43-2)	X			< 5.0						1	ug/l				
4V. Bis (Chloro- methyl) Ether (542-88-1)				See note on attached sheet.											
5V. Bromoform (75-25-2)	X			< 5.0						1	ug/l				
6V. Carbon Tetrachloride (56-23-5)	X			< 5.0						1	ug/l				
7V. Chlorobenzene (108-90-7)	X			< 5.0						1	ug/l				
8V. Chlorodi- bromomethane (124-48-1)	X			< 5.0						1	ug/l				
9V. Chloroethane (78-00-3)	X			<10.0						1	ug/l				
10V. 2-Chloro- ethylvinyl Ether (110-75-8)	X			<10.0						1	ug/l				
11V. Chloroform (67-86-3)	X			< 5.0						1	ug/l				
12V. Dichloro- bromomethane (78-27-4)	X			< 5.0						1	ug/l				
13V. Dichloro- difluoromethane (75-71-8)	X			<10.0						1	ug/l				
14V. 1,1-Dichloro- ethane (78-34-3)	X			< 5.0						1	ug/l				
16V. 1,2-Dichloro- ethane (107-06-2)	X			< 5.0						1	ug/l				
18V. 1,1-Dichloro- ethylene (78-35-4)	X			< 5.0						1	ug/l				
17V. 1,2-Dichloro- propane (78-87-5)	X			< 5.0						1	ug/l				
18V. 1,3-Dichloro- propylene (542-75-6)	X			< 5.0						1	ug/l				
19V. Ethylbenzene (100-41-4)	X			< 5.0						1	ug/l				
20V. Methyl Bromide (74-83-9)	X			<10.0						1	ug/l				
21V. Methyl Chloride (74-87-3)	X			<10.0						1	ug/l				

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST ING RE- QUIN- ED	B. SE- LIEVED PRE- SENT	C. SE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL- YSES	e. CONCEN- TRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)	X			< 5.0						1	ug/l				
23V. 1,1,2,2-Tetrachloroethane (78-34-8)	X			< 5.0						1	ug/l				
24V. Tetrachloroethylene (127-18-4)	X			< 5.0						1	ug/l				
25V. Toluene (108-88-3)	X			< 5.0						1	ug/l				
26V. 1,2-Trans-Dichloroethylene (156-80-8)	X			< 5.0						1	ug/l				
27V. 1,1,1-Trichloroethane (71-55-6)	X			< 5.0						1	ug/l				
28V. 1,1,2-Trichloroethane (79-00-5)	X			< 5.0						1	ug/l				
29V. Trichloroethylene (79-01-6)	X			< 5.0						1	ug/l				
30V. Trichlorofluoromethane (75-69-4)	X			<10.0						1	ug/l				
31V. Vinyl Chloride (75-01-4)	X			<10.0						1	ug/l				
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X			< 5.0						1	ug/l				
2A. 2,4-Dichlorophenol (120-83-2)	X			< 3.0						1	ug/l				
3A. 2,4-Dimethylphenol (105-67-9)	X			< 3.0						1	ug/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X			<10.0						1	ug/l				
5A. 2,4-Dinitrophenol (51-28-5)	X			<10.0						1	ug/l				
6A. 2-Nitrophenol (88-75-5)	X			< 3.0						1	ug/l				
7A. 4-Nitrophenol (100-02-7)	X			<10.0						1	ug/l				
8A. P-Chloro-M-Cresol (59-50-7)	X			< 5.0						1	ug/l				
9A. Pentachlorophenol (87-86-5)	X			<10.0						1	ug/l				
10A. Phenol (108-95-2)	X			< 3.0						1	ug/l				
11A. 2,4,6-Trichlorophenol (100-05-2)	X			< 3.0						1	ug/l				

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TESTING REQUIRED	B. DECEIVED PRESENT	C. DECEIVED ASSENT	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (If available)		C. LONG TERM AVG. VALUE (If available)		D. NO. OF ANALYSES	A. CONCENTRATION	B. MASS	E. LONG TERM AVERAGE VALUE		D. NO. OF ANALYSES
				(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS				(i) CONCENTRATION	(i) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-8)	X			< 2.0						1	ug/l				
2B. Acenaphthylene (208-96-8)	X			< 2.0						1	ug/l				
3B. Anthracene (120-12-7)	X			< 2.0						1	ug/l				
4B. Benzidine (92-87-6)	X			< 15.0						1	ug/l				
5B. Benzo (a) Anthracene (56-55-3)	X			< 3.0						1	ug/l				
6B. Benzo (a) Pyrene (50-32-8)	X			< 4.0						1	ug/l				
7B. 3,4-Benzo-fluoranthene (205-99-2)	X			< 4.0						1	ug/l				
8B. Benzo (ghi) Perylene (191-24-2)	X			< 5.0						1	ug/l				
9B. Benzo (h) Fluoranthene (207-08-9)	X			< 4.0						1	ug/l				
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X			< 2.0						1	ug/l				
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)	X			< 2.0						1	ug/l				
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	X			< 2.0						1	ug/l				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X			< 2.0						1	ug/l				
14B. 4-Bromophenyl Phenyl Ether (101-65-3)	X			< 3.0						1	ug/l				
15B. Butyl Benzyl Phthalate (85-68-7)	X			< 2.0						1	ug/l				
16B. 2-Chloronaphthalene (91-58-7)	X			< 1.0						1	ug/l				
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	X			< 2.0						1	ug/l				
18B. Chrysene (218-01-9)	X			< 3.0						1	ug/l				
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			< 5.0						1	ug/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X			< 2.0						1	ug/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X			< 2.0						1	ug/l				

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	TESTING REQUIRED	D. SE- LIVERED PRE- SENT	E. SE- LIVERED AB- SENT	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANAL- YSES	A. CON- CENTRATION	B. MASS	A. LONG TERM AVERAGE VALUE		B. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichloro- benzene (106-46-7)	X			< 2.0						1	ug/l				
23B. 3,3'-Dichloro- benzidine (91-94-1)	X			< 15.0						1	ug/l				
24B. Diethyl Phthalate (84-86-2)	X			< 1.0						1	ug/l				
25B. Dimethyl Phthalate (131-11-3)	X			< 1.0						1	ug/l				
26B. DI-N-Butyl Phthalate (84-74-2)	X			< 1.0						1	ug/l				
27B. 2,4-Dinitro- toluene (121-14-2)	X			< 4.0						1	ug/l				
28B. 2,6-Dinitro- toluene (808-20-2)	X			< 4.0						1	ug/l				
29B. DI-N-Octyl Phthalate (117-84-0)	X			< 1.0						1	ug/l				
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)	X			< 1.0						1	ug/l				
31B. Fluoranthene (208-44-0)	X			< 2.0						1	ug/l				
32B. Fluorene (86-73-7)	X			< 3.0						1	ug/l				
33B. Hexachlorobenzene (118-74-1)	X			< 2.0						1	ug/l				
34B. Hexa- chlorobutadiene (87-68-3)	X			< 3.0						1	ug/l				
35B. Hexachloro- cyclopentadiene (77-47-4)	X			< 5.0						1	ug/l				
36B. Hexachloro- ethane (87-72-1)	X			< 3.0						1	ug/l				
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			< 5.0						1	ug/l				
38B. Isophorone (78-59-1)	X			< 1.0						1	ug/l				
39B. Naphthalene (91-20-3)	X			< 2.0						1	ug/l				
40B. Nitrobenzene (98-95-3)	X			< 2.0						1	ug/l				
41B. N-Nitro- sodimethylamine (62-75-8)	X			< 10.0						1	ug/l				
42B. N-Nitrosodi- N-Propylamine (821-64-7)	X			< 2.0						1	ug/l				

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST ING QUAN- TITY	B. DE- LIVERED FREQ. SENT	C. DE- LIVERED AMT. SENT	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANAL- YSES	a. CONCENTRATION	b. MASS	E. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS				(i) CONCENTRATION	(i) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro- sodiphenylamine (88-30-8)	X			< 2.0						1	ug/l				
44B. Phenanthrene (85-01-8)	X			< 2.0						1	ug/l				
45B. Pyrene (129-00-0)	X			< 3.0						1	ug/l				
46B. 1,2,4-Tri- chlorobenzene (120-82-1)	X			< 2.0						1	ug/l				
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)	X			< 0.02						1	ug/l				
2P. α -BHC (319-84-8)	X			< 0.02						1	ug/l				
3P. β -BHC (319-85-7)	X			< 0.02						1	ug/l				
4P. γ -BHC (58-89-9)	X			< 0.02						1	ug/l				
5P. δ -BHC (319-86-8)	X			< 0.02						1	ug/l				
6P. Chlordane (57-74-9)	X			< 0.1						1	ug/l				
7P. 4,4'-DDT (50-29-3)	X			< 0.03						1	ug/l				
8P. 4,4'-DDE (72-85-9)	X			< 0.03						1	ug/l				
9P. 4,4'-DDD (72-84-8)	X			< 0.02						1	ug/l				
10P. Dieldrin (80-57-1)	X			< 0.02						1	ug/l				
11P. α -Endosulfan (115-29-7)	X			< 0.03						1	ug/l				
12P. β -Endosulfan (115-29-7)	X			< 0.03						1	ug/l				
13P. Endosulfan Sulfate (1031-07-8)	X			< 0.03						1	ug/l				
14P. Endrin (72-20-8)	X			< 0.05						1	ug/l				
15P. Endrin Aldehyde (7421-93-4)	X			< 0.05						1	ug/l				
16P. Heptachlor (76-44-8)	X			< 0.03						1	ug/l				

CONTINUED FROM PAGE V-8

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
OH0010910	006

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TESTING REQUIRED	B. DE-CONTAMINATED	C. DE-CONTAMINATED	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANALYSES	B. CONCENTRATION	b. MASS	E. LONG TERM AVERAGE VALUE		D. NO. OF ANALYSES
				(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS	(i) CONCENTRATION	(i) MASS				(i) CONCENTRATION	(i) MASS	
GC/MS FRACTION – PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-87-3)	X			<0.03						1	ug/l				
18P. PCB-1242 (83468-21-8)	X			<0.10						1	ug/l				
19P. PCB-1254 (11097-89-1)	X			<0.10						1	ug/l				
20P. PCB-1221 (11104-28-2)	X			<0.10						1	ug/l				
21P. PCB-1232 (11141-16-6)	X			<0.10						1	ug/l				
22P. PCB-1248 (12872-29-8)	X			<0.10						1	ug/l				
23P. PCB-1280 (11098-82-5)	X			<0.10						1	ug/l				
24P. PCB-1018 (12874-11-2)	X			<0.10						1	ug/l				
26P. Toxaphene (8001-35-2)	X			<0.10						1	ug/l				

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